

JVC

SERVICE MANUAL

MODEL
A-M1

STEREO INTEGRATED AMPLIFIER



No. 2465
FEB. 1979

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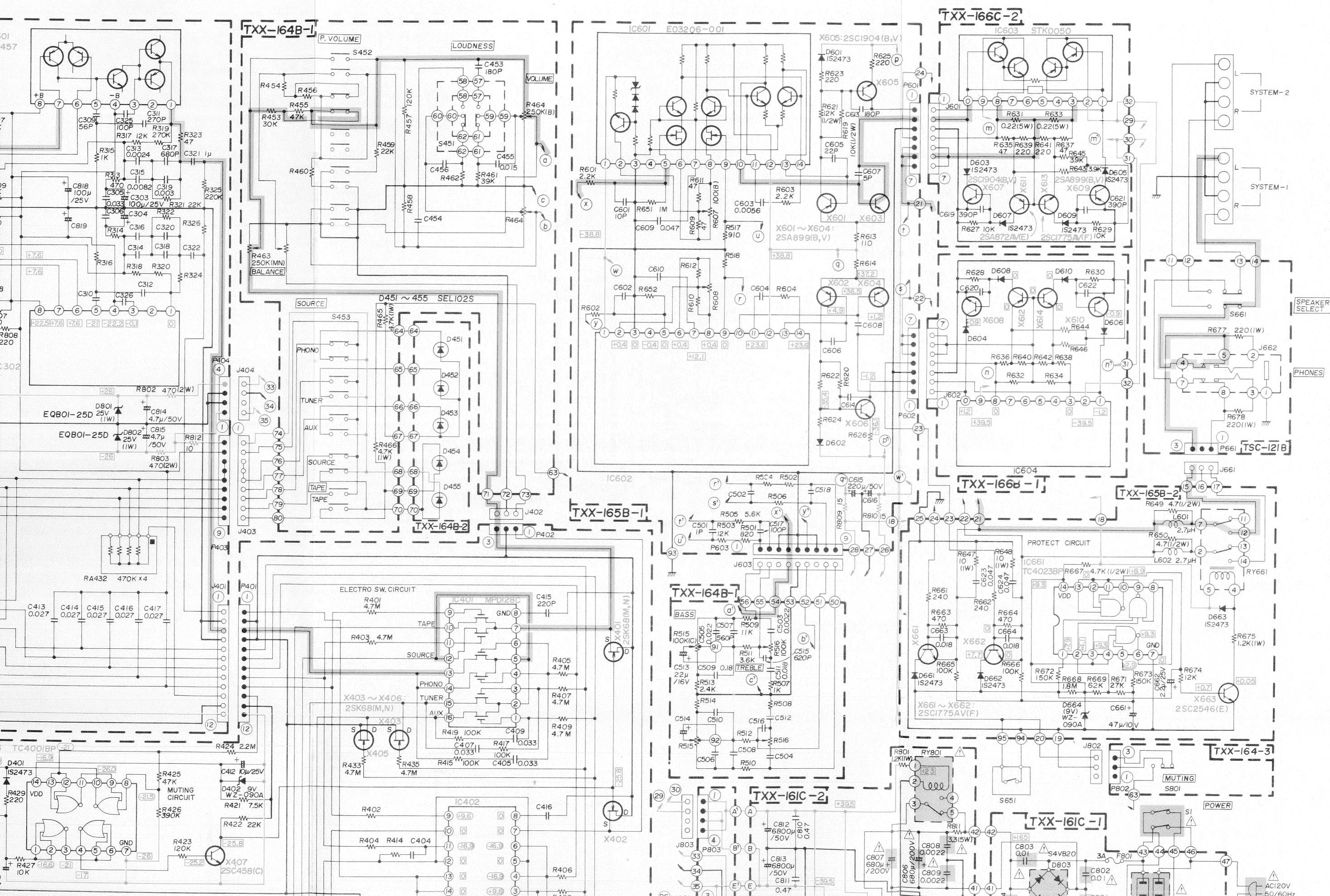
Warning: When replacing the parts marked with \triangle , be sure to use the designated parts to ensure safety.

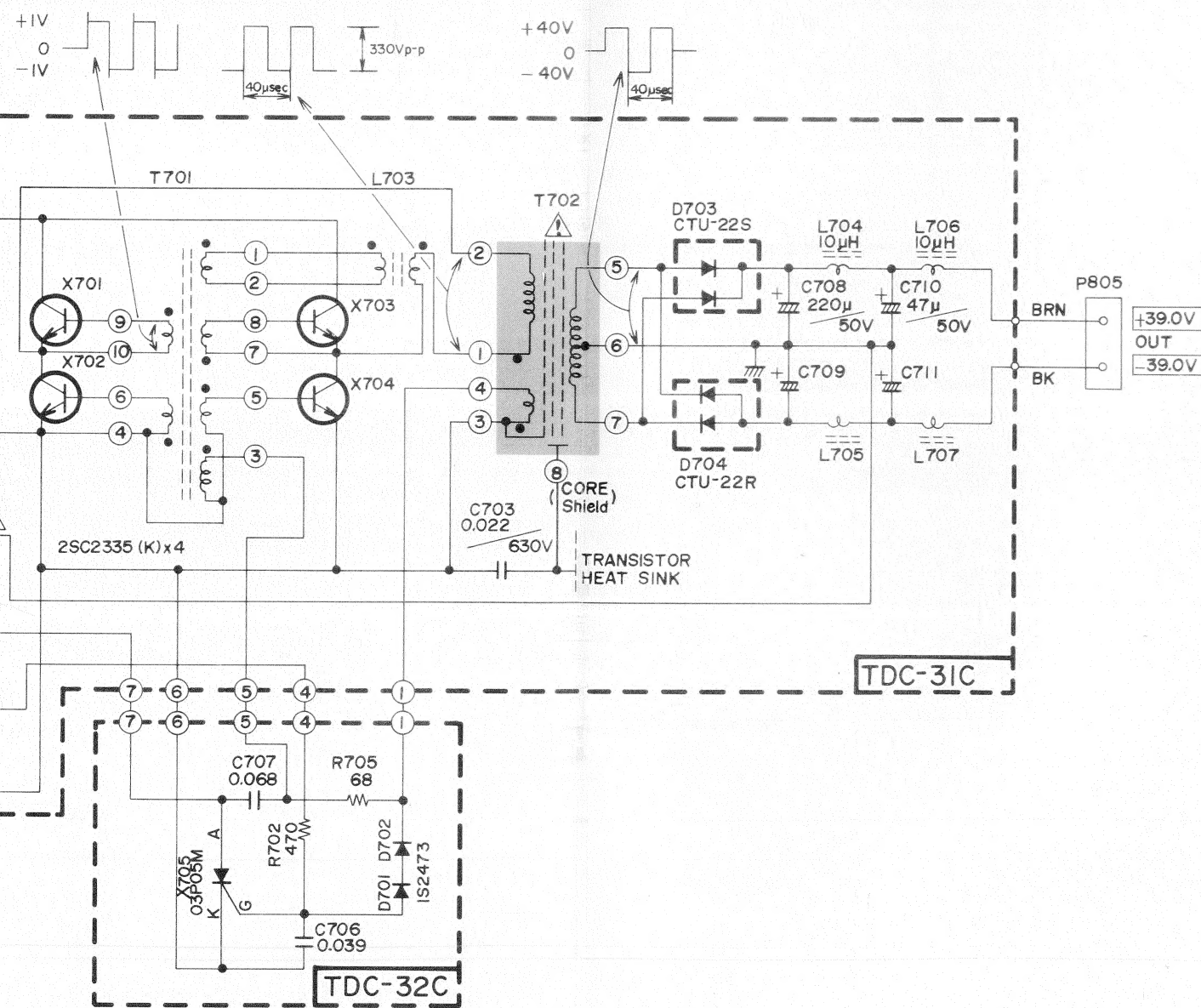
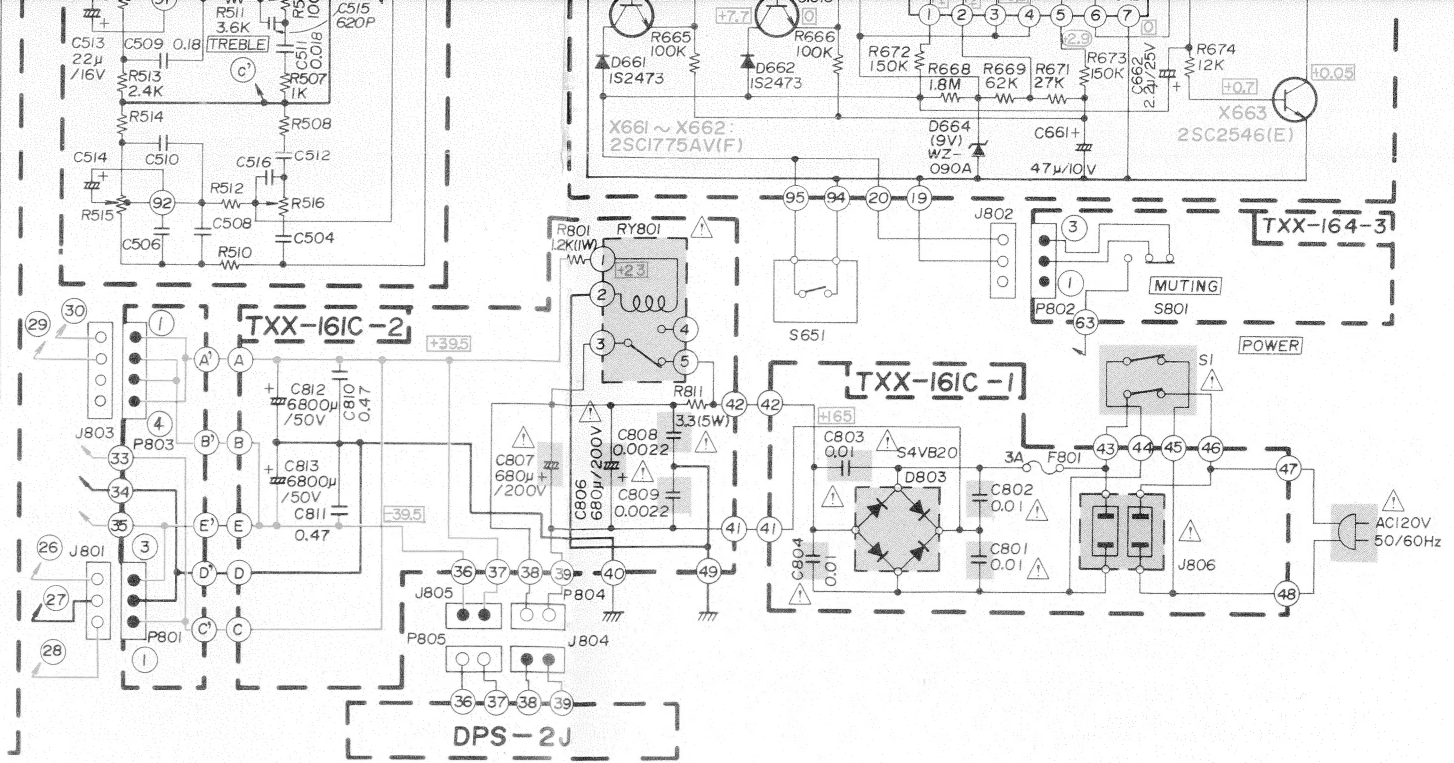
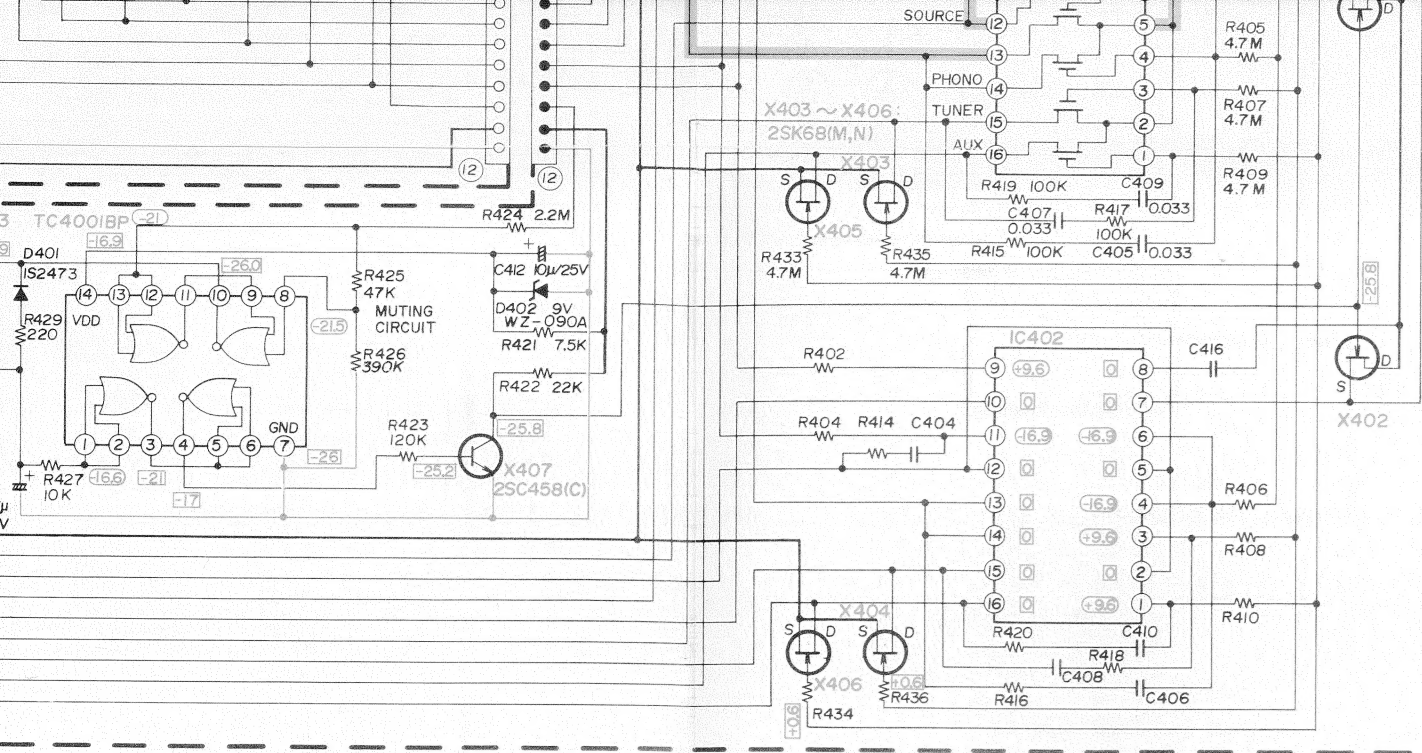
1. Specification

Output power	: 50 Watts per channel, min. RMS, both channels driven, into 8 ohms, from 20 Hz to 20 kHz with no more than 0.03 % total harmonic distortion	RIAA PH equalization : ± 0.3 dB (20 Hz — 20 kHz) Input sensitivity : PHONO 2.5 mV (47 k ohms) (Impedance) TUNER, AUX, TAPE PLAY 150 mV (47 k ohms)
Load impedance	: SYSTEM 1 or 2 4 — 16 ohms	Dimensions : 93 x 230 x 269 (mm) (H x W x D)
Frequency response	: TUNER, AUX, TAPE DC — 70 kHz ± 0 -1 dB	3-11/16 x 9-1/16 x 10-9/16 (inches)

1





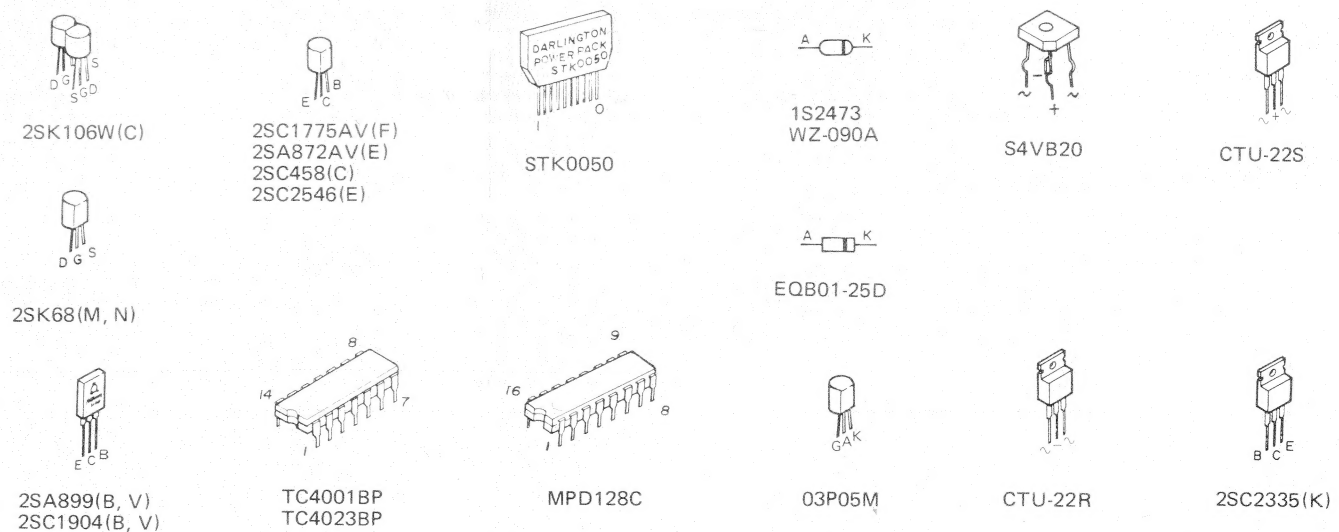


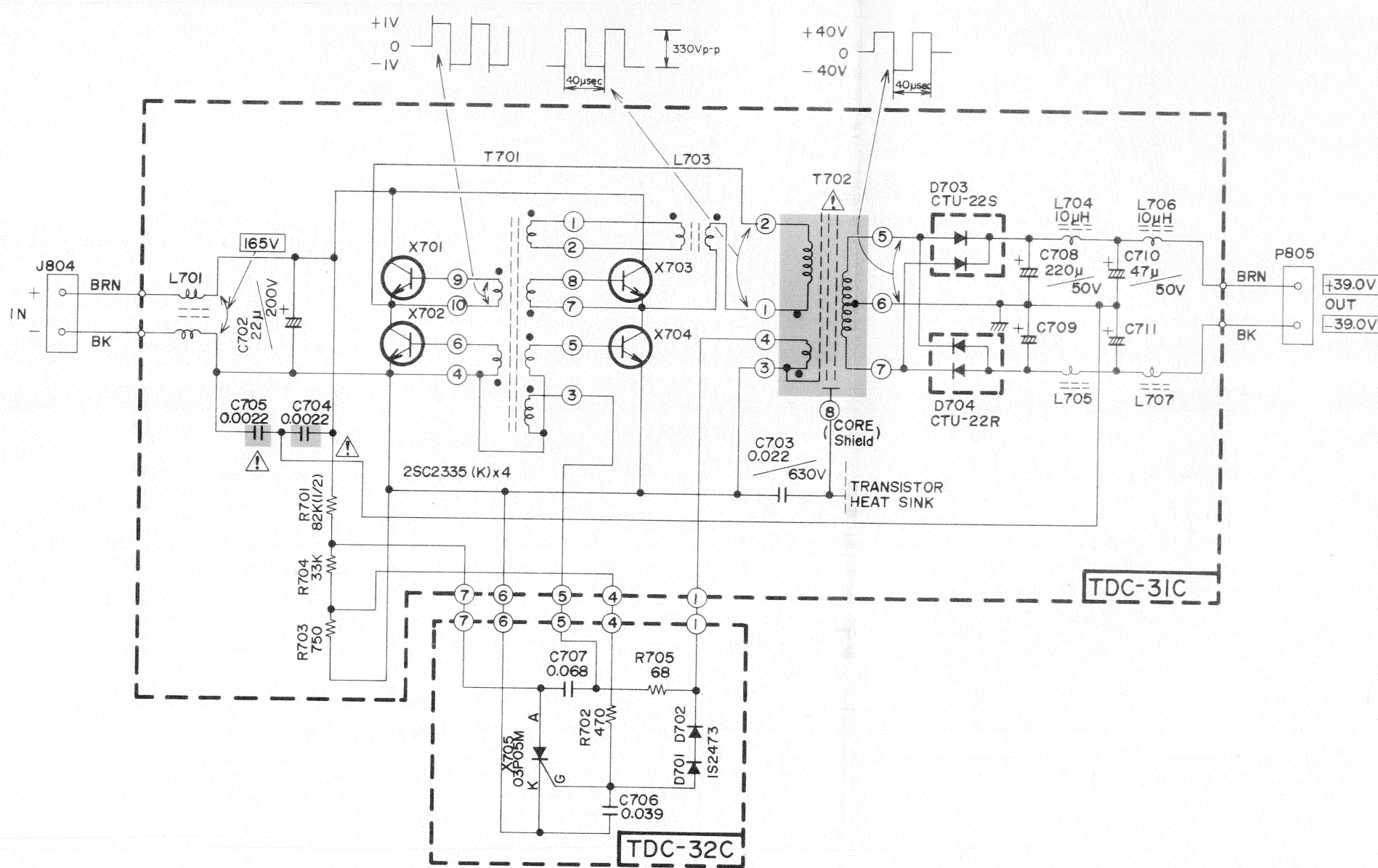
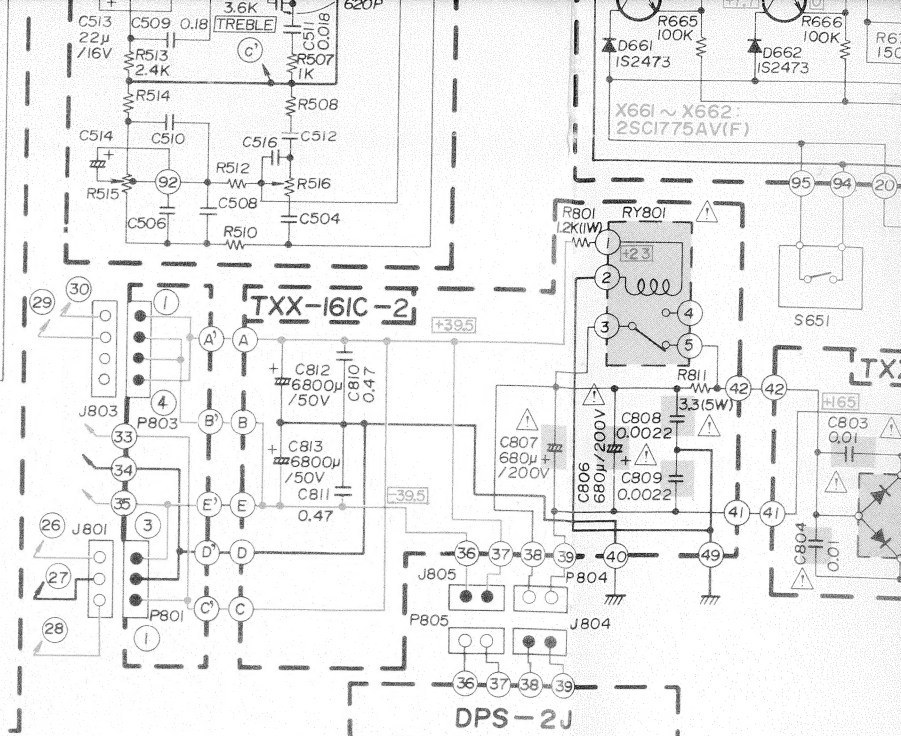
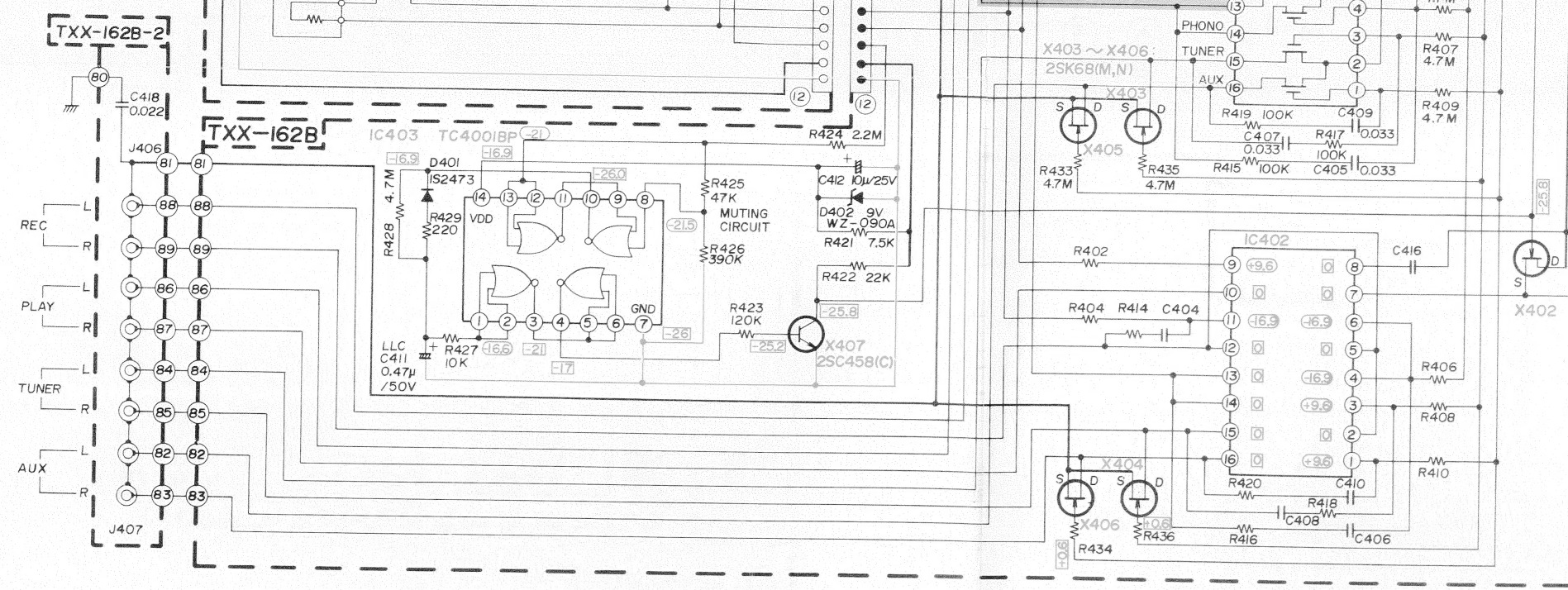
Printed Circuit Board Ass'y Locations

P.C. Board Ass'y	Description	Page
TDC-31	Digital Power Supply P.C. Board Ass'y	13
TDC-32	Trigger Instant Start P.C. Board Ass'y	14
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TXX-162	Electronic Switch & Pin Jacks P.C. Board Ass'y	15
TXX-163	Equalizer Amp. & Pin Jacks P.C. Board Ass'y	16
TXX-164	Tone Controls, LEDs & Muting Switch P.C. Board Ass'y	18
TXX-165	Driver Amp. & Protector Circuit P.C. Board Ass'y	19
TXX-166	Power IC's P.C. Board Ass'y	20
TXX-203A	Voltage Selector, Rectifiers & Terminals P.C. Board Ass'y	24

Notes:

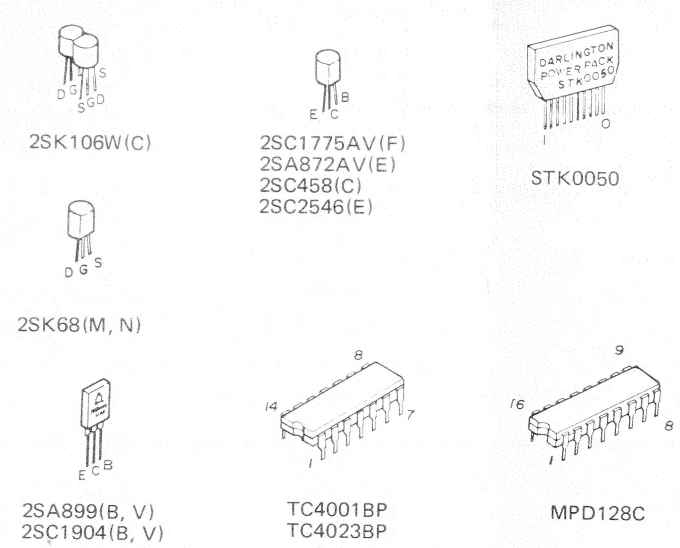
- Parts in red indicate transistors or ICs.
- Indicates signal path.
- Indicates positive B power supply. Voltage values in 0.3 are positive.
- Indicates negative B power supply. Voltage values in -9.0 are negative.
- When replacing the parts in the darkened area and those marked with Δ , be sure to use the designated parts to ensure safety.
- This is the standard circuit diagram. The design and contents are subject to change without notice.

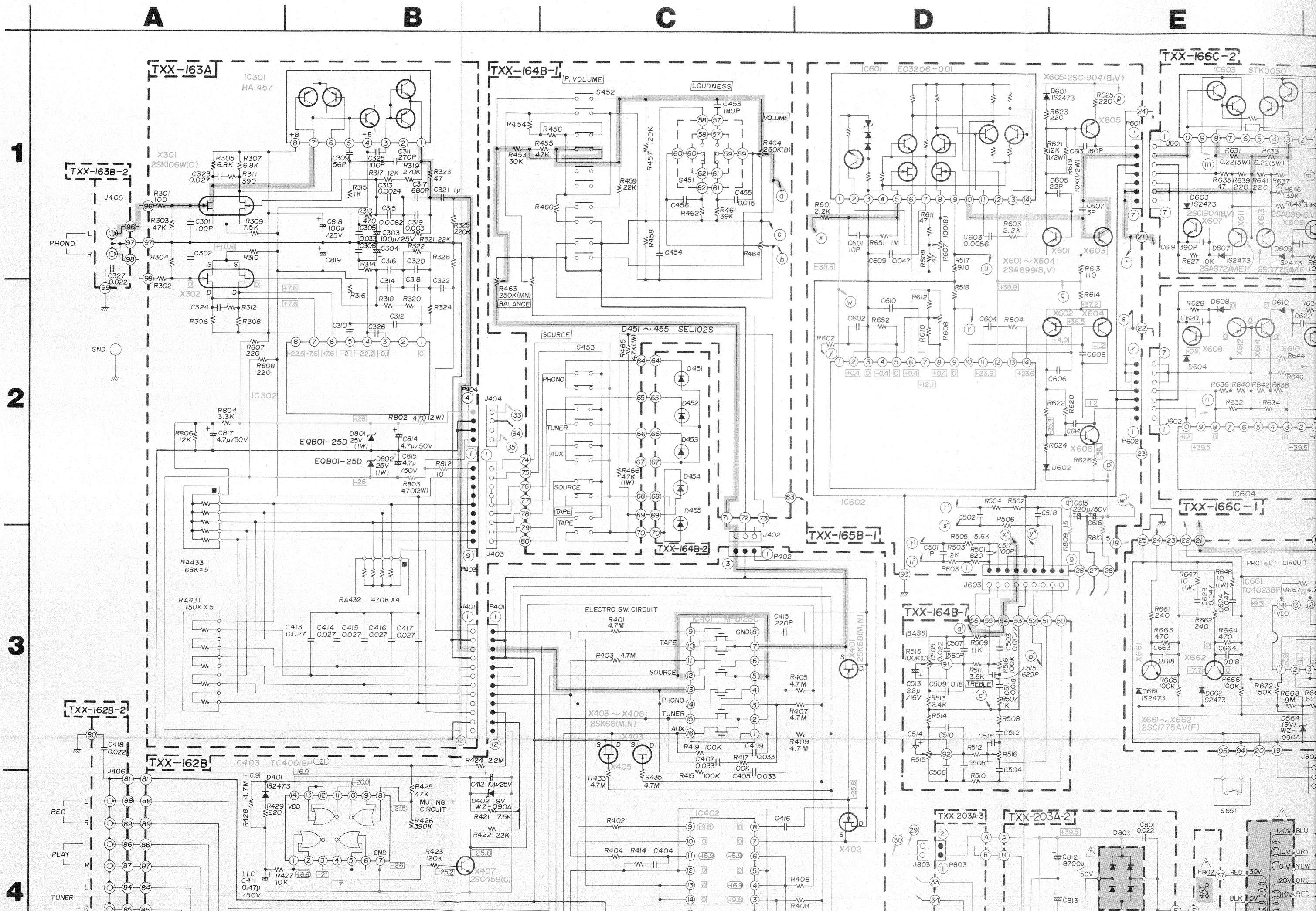




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TXX-162	Electronic Switch & Pin Jacks P.C. Board Ass'y	1
TXX-163	Equalizer Amp. & Pin Jacks P.C. Board Ass'y	1
TXX-164	Tone Controls, LEDs & Muting Switch P.C. Board Ass'y	1
TXX-165	Driver Amp. & Protector Circuit P.C. Board Ass'y	1
TXX-166	Power IC's P.C. Board Ass'y	2
TXX-203A	Voltage Selector, Rectifiers & Terminals P.C. Board Ass'y	2





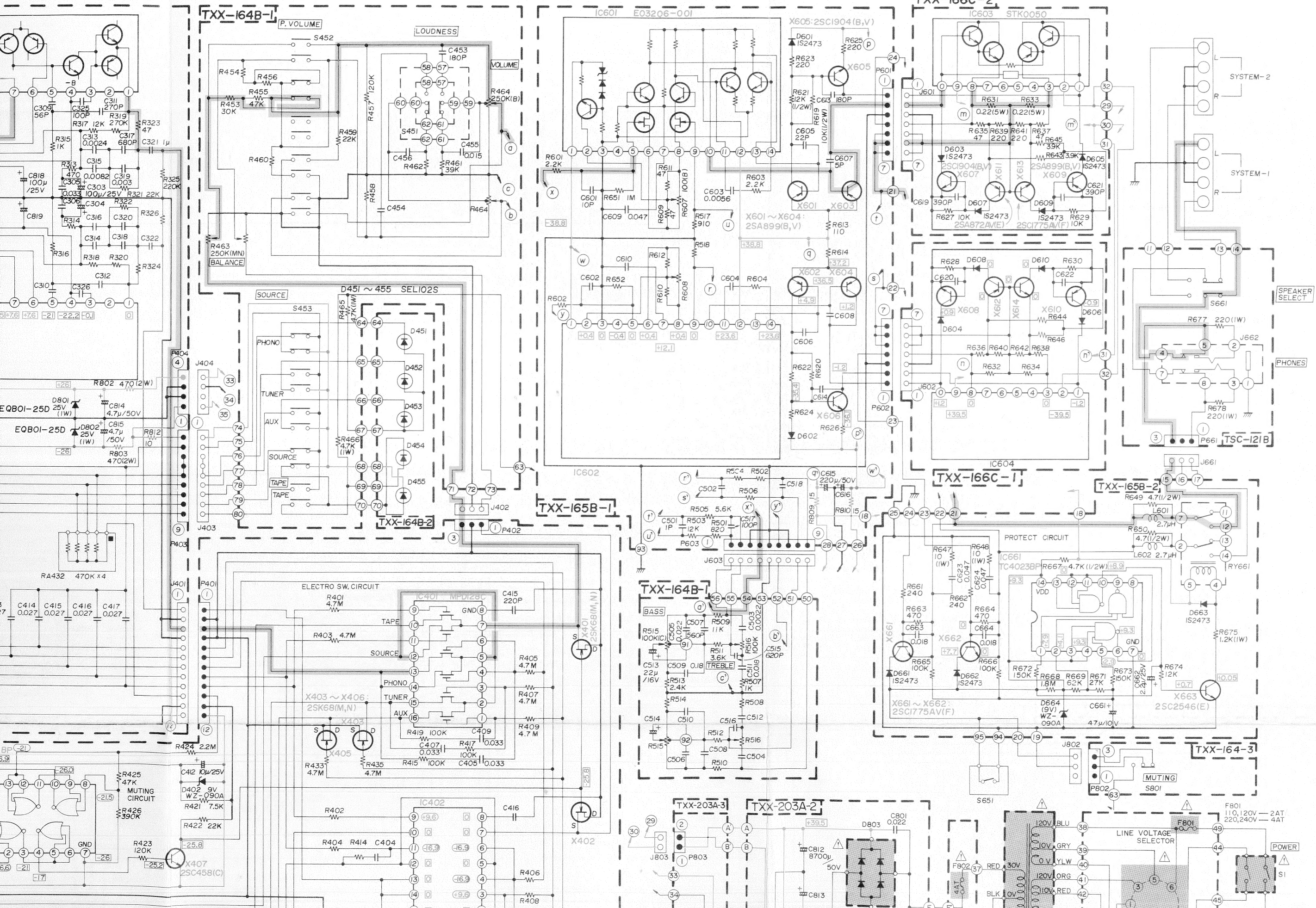
B

C

D

E

F

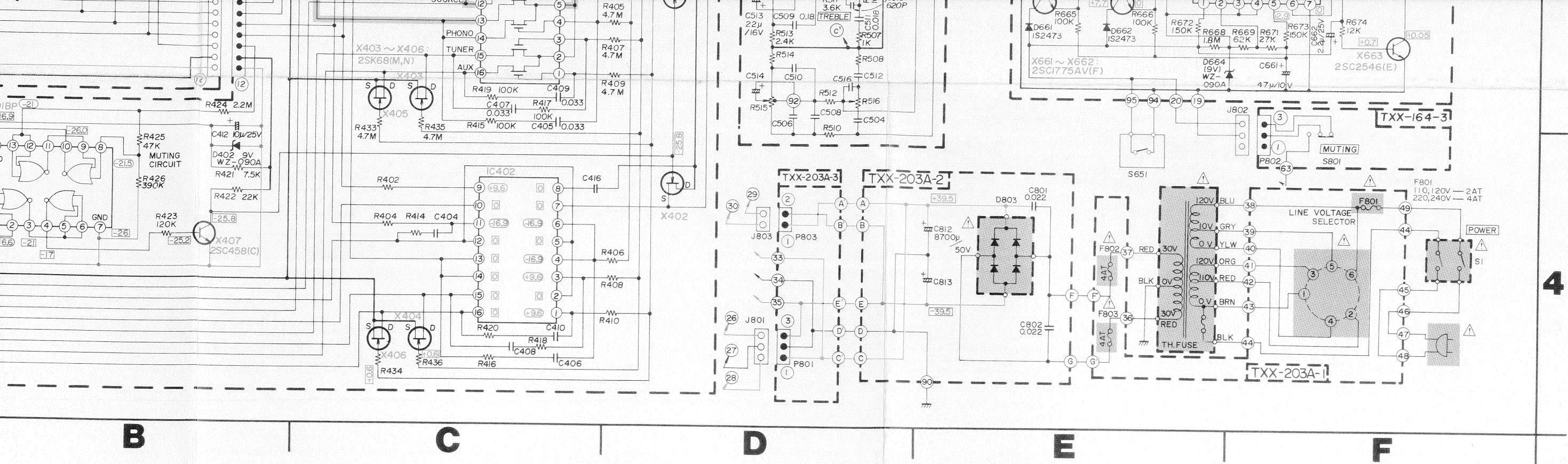


1

2

3

4

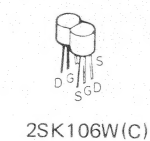


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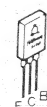
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2SK106W(C)



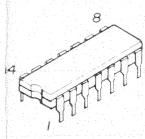
2SK68(M, N)



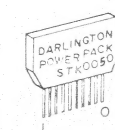
2SA899(B, V)
2SC1904(B, V)



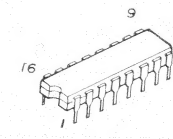
2SC1775AV(F)
2SA872AV(E)
2SC458(C)
2SC2546(E)



TC4001BP
TC4023BP



STK0050



MPD128C



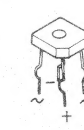
1S2473
WZ-090A



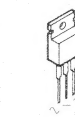
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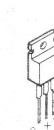
03P05M



S4VB20



CTU-22R

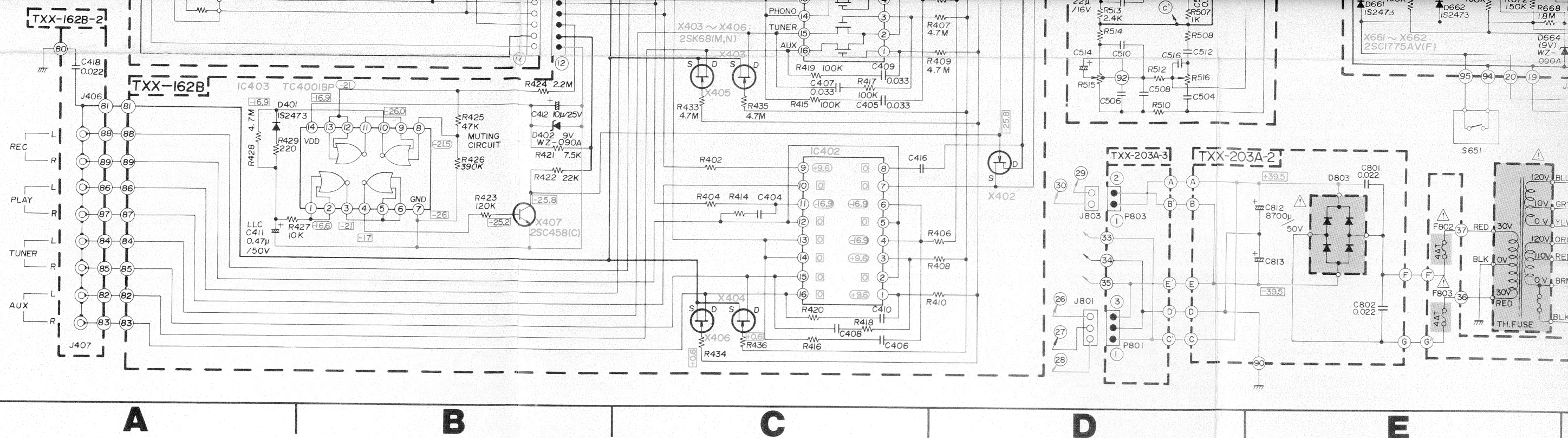


CTU-22S



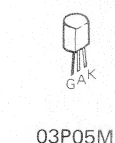
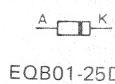
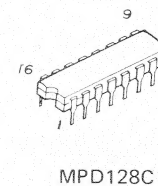
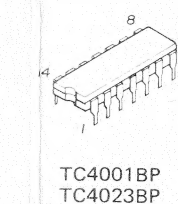
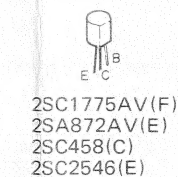
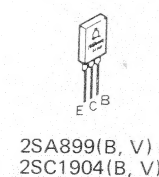
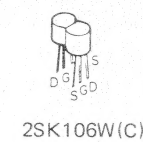
2SC2335(K)

4

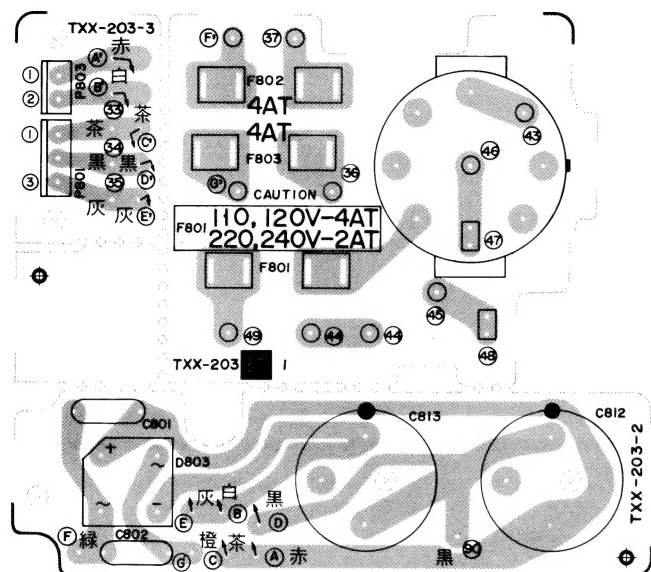


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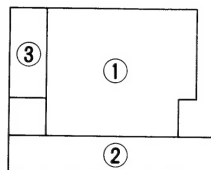


7-(10)TXX-203A AC Outlet, Rectifiers & Terminals P.C. Board Ass'y



1. TXX-203A-1 Voltage Selector P.C. Board Ass'y
2. TXX-203A-2 Rectifiers P.C. Board Ass'y
3. TXX-203A-3 Terminals P.C. Board Ass'y

Note: The specific symbols (黒, 赤, 茶 ... etc.) on a surface of P.C. Board are actually unrelated to the repair service and are significant denotement in order to process the process the proper assembly of P.C. Board at the factory.



Diode

Item No.	Part Number	Rating	Description	Maker
D803 △	S4VB20	200 V, 4 A	Silicon	Shin-dengen

Capacitors

Item No.	Part Number	Rating	Description
C801	QFZ0072-223	0.022 μ F 250 V	Film
C802	QFZ0072-223	" "	"
C812	QEW81HA-878H	8700 μ F 50 V	Electrolytic
C813	QEW81HA-878H	" "	"

Others

Item No.	Part Number	Rating	Description
△	QSR0085-001		Voltage Selector
	E48965-002		Fuse Clip
J404	E03733-0403		Socket Ass'y
P801	E03782-003A		Plug
P803	E03782-002A		"

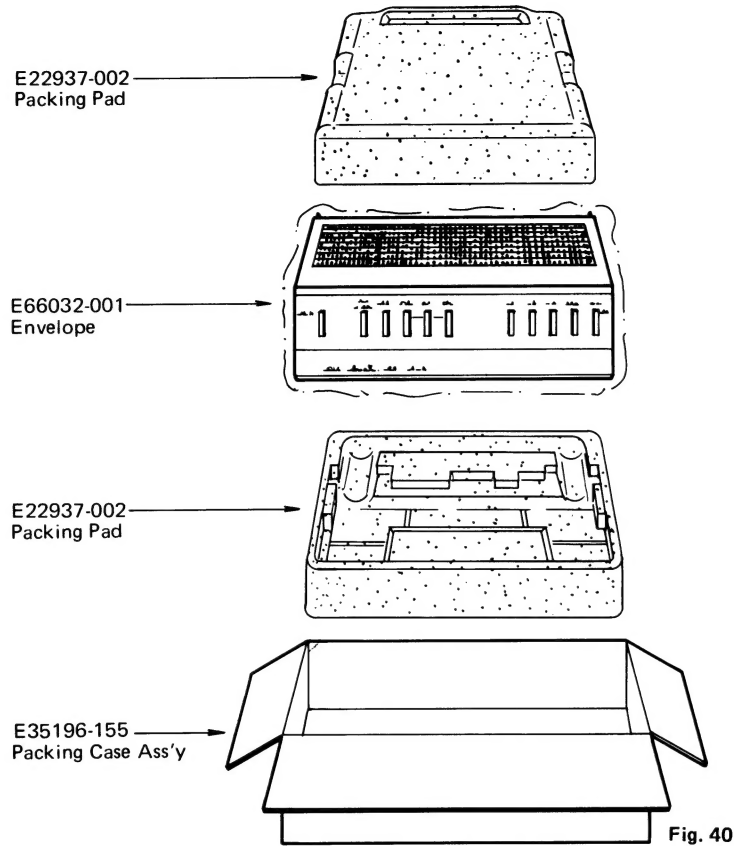
8. Accessories List

Item No.	Part Number	Description	Qty
1	E30580-739A	Instruction Book	1
2	see table below	Warranty Card	1
3	E41202-9	Envelope (Instruction Book & Warranty Card)	1
4	BT20023	Service Procedures for U.S.A. only	1
5	BT20024	"Do It Better" for U.S.A. only	1
6	E04056	Siemens Plug for U.S. Military Market & Other Countries only	1
7	QMF51A2-4ROS (or -2ROL)	4A Fuse (or 2A Fuse) for U.S. Military Market & Other Countries only	1
8	E66188-023 (or -024)	2A Fuse Label (or 4A Fuse Label) for U.S. Military Market & Other Countries only	1
9	E64204-073	Envelope (Fuse) for U.S. Military Market & Other Countries only	1

Warranty Card

U.S.A.	U.S. Military Market	U.K.	Australia	Europe & Other Countries
BT20032	BT20032	BT20013B	BT20029B	

10. Packing Materials and Part Numbers



11. Parts List with Specified Numbers for Designated Areas

Description	U.S.A.	Australia	U.K.	Europe	U.S. Military & Other Countries
Power Cord with Plug Δ	QMP1200-200	QMP2560-244	QMP9017-008	QMP3900-200	QMP7600-250
Rear Panel	E3582-003	E35872-004	E35872-004	E35872-004	E35872-004
Sub Rear Panel		E300238-001	E300238-001	E300238-001	E300238-001
Chassis Base	E22888-005	E22888-003	E22888-003	E22888-003	E22888-003
Chassis Base	E22888-006	E22888-004	E22888-004	E22888-004	E22888-004
Circuit Board Holder	E22890-001	E23134-001	E23134-001	E23134-001	E23134-001
AC Outlet Δ	QMC0437-001				
Voltage Selector Δ		QSR0085-001	QSR0085-001	QSR0085-001	QSR0085-001
Fuse (Primary) Δ	QMF61U1-3RO	QMF51A2-2ROL	QMF51A2-2ROL or QMF51A2-4ROS	QMF51A2-2ROL	QMF51A2-2ROL or QMF51A2-4ROL
Fuse (Secondary) Δ		QMF51A2-4ROS	QMF51A2-4ROS	QMF51A2-4ROS	QMF51A2-4ROS
Power Transformer Δ		E03671-15C	E03671-15C	E03671-15C	E03671-15C
Digital Power Supply Δ	DPS-2J (TDC-31C)				
Power Supply P.C. Board	TXX-161C	TXX-203A	TXX-203A	TXX-203A	TXX-203A
Rating Plate	E66420-001	E66294-001	E66294-001	E66294-001	E66468-001
Fuse Holder	E65795-002				
Rating Label		E47330-441	E47330-441	E47330-442	

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VICTOR COMPANY OF JAPAN, LIMITED, TOKYO, JAPAN